

# Dobson Dunavant

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## Education

**Bachelor of Science in Computer Science**, College of Charleston, (Major GPA: 3.7)

May 2024 (expected)

**Bachelor of Science in Accounting**, College of Charleston

December 2017

## Skills

**Programming Languages:** TypeScript, Python, SQL, Java, JavaScript, Dart, HTML, CSS

**Frameworks:** Angular, React, Svelte, Flutter, Next.js, Spring, Django, Go, Express.js

**Libraries, Tools, and Cloud Services:** AWS, Firebase, Git Flow, Jira, Docker, REST APIs, GraphQL, Prisma, Postman, Axios, Apollo, PowerBI, OpenCV, PostgreSQL, SQL Server, Figma, Jest, WebSocket, Gradle, Node.js

**Soft Skills:** Adaptive, Collaborative, Communicative, Output-Focused, Self-Starting, Business-Aware, Receptive to Feedback

## Experience

### Robotics/Machine Learning Co-Op

September 2023 - current

Mercedes-Benz Vans - *Python, C++, Java, AWS*

Ladson, SC

- Developing a large-scale, autonomous inventory system using a multi-layered **machine learning** system, **robotics**, and **AWS cloud services**.
- Leading a team of 4 students under 2 professors, in direct collaboration with Mercedes-Benz Vans stakeholders.
- Initial prototype displayed significant improvement of efficiency, accuracy and real-time awareness of high-importance inventory.

### Software Engineering Intern

May 2023 - August 2023

Savvas Learning Company (*EdTech*) - *TypeScript, JavaScript, Java, SQL, AWS*

Phoenix, AZ

- Developed full-stack solutions for an industry-leading K-12 edtech platform using **Angular 16** MFEs, **Apollo**, **GraphQL**, **Spring**, **PostgreSQL**, **StencilJS**, and **Storybook** in an **Agile** environment.
- Resolved 14 Jira tickets across 12 sprints, as a member of an agile team.
- Led development of 2 hackathon projects, **Karate** for API testing and **PowerBI** for a student analysis dashboard.
  - Boosted API test coverage by 23% in 2 months through Karate integration into **CI/CD pipeline** (JaCoCo Metrics).
  - Won hackathon with student dashboard project, will be part of Q1 2024 production release.

### Data Engineering Intern

September 2022 - January 2023

Fiscal Spreading & Tracking (*FinTech*) - *JavaScript, Python, SQL, AWS*

Charleston, SC

- Assisted in transition from a monolithic desktop app to a microserviced, serverless webapp, leveraging **React**, **Django**, and multiple **AWS** cloud services.
- Performed API reworks, assessing existing API call performance while implementing query and data handling optimizations to reduce server-load and user wait times.
- Created data pipelines to separate concerns and minimize/mitigate single point of failure situations.

### Data Analyst / Scrum Master

March 2018 - March 2021

Ceterus (*FinTech startup*) - *Jira, Confluence, Python, QuickBooks Online, PowerBI, Google Sheets, GitHub*

Charleston, SC

- Developed and analyzed financial data sets for a fintech app that enhances small-business' financial insights.
- Met with small-business owners on a weekly basis to discuss financial performance and provide recommendations for improvement.
- Led Scrum team, reducing project lead time by 21% and boosting story point velocity by 19% in 6 months (**JIRA** metrics).